

Patent Application No.
Applicant
Filing Date
Group Art Unit
Examiner
For

: 10/648,012
: C. Earl Woolfork
: 08-26-2003
: 2644
: Graham, Andrew R.
: FUZZY AUDIO WIRELESS MUSIC SYSTEM

DECLARATION UNDER 37 CFR § 1.132

In accordance with 37 CFR § 1.132, I hereby declare that

Further comments on the nonobviousness of the wireless digital audio music system invention. Attention will be focused on tribute paid to the instant invention system and the long need in the art for the solution the system provides. On June 26, 2003 the Wireless Digital Audio System patent application was made public on the U.S. Patent Office website. Clearly, it was available for all to see and learn from [Original Patent Application 10/027,391]. Such was the case with a company named Bluetake, because Bluetake marketed the "i-phono" approximately one (1) year after the invention was made public. The "i-phono" is discussed within the petition to make special that was filed by applicant on October 25, 2004. A committee within the US Patent Office granted the petition. Bluetake's i-phono functions in the same way as the disclosed invention (see filed petition to make special).

Similarly, Motorola has plans to release (scheduled 2nd quarter of 2005) their new wireless stereo headset system. It consists of a "DC800" transmitter that connects to the headphone jack of any of the devices mentioned by applicant earlier (portable MP3 payers, portable CD players, portable cassette players, laptop computer or desktop computer), and a "HT820" receiver headphone. Motorola's wireless stereo system functions in the same way as the disclosed invention. The reason for the design similarities is obvious. In August of 2004 I disclosed the instant invention to Motorola hoping that a business relationship would be developed (i.e., establish a license agreement with Motorola to mass produce the invention).

After several documented fax and phone communications, Motorola appeared to show no interest and stated that "it is not the direction their company is going."

These two cases are brought to the Examiner's attention to show the level of interest in the invention is great. The fact that both of the companies discussed (Bluetake & Motorola), have taken the steps to quickly mass produce a duplication of the invention brings merit to support the case of nonobviousness. Clearly, Bluetake and Motorola pay tribute to and recognize the long felt need of the invention.

Attached are documents relating to contracts with Motorola and advertisements for the Company's new product.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States code and that such willful false statement may jeopardize the validity of the application or any patent issue thereon.

Dated: 6/30/05


C. Earl Woolfork

JOB STATUS REPORT

TIME : 08/12/2004 05:36
NAME :
FAX# :
TEL# :

DATE, TIME	08/12 05:36
FAX NO., NAME	918475762559
DURATION	00:00:42
PAGE(S)	05
RESULT	OK
MODE	STANDARD
	ECM

BEST AVAILABLE COPY

TO:

Cathy McMillan

NAME: Motorola
COMPANY

DATE: 8/12/04

TELEPHONE: (847) 576-0278 **FAX:** (847) 576-2569

OF PAGES
(INCLUDING COVER)

5

FROM:

C. EARL Woolfork

NAME: EARL Woolfork
BLDG / MS:

ORG.

TELEPHONE: (818) 625-4466

FAX:

MESSAGE:

8/12/04

Motorola Corporation
1303 E. Algonquin Road
Schaumburg, IL 60196
(847) 576-5000 Office

Dear Ms Cathy McMillian,

Thank you for reviewing the enclosed FAWN (Fuzzy Audio Wireless Music) headset proposal.

The FAWN is a convenient, hands-free headset with crisp and pristine sound with no peripheral interference. The headset can be used with but not limited to computers, portable CD/cassette players, portable MP3's and AM/FM radios.

Thank you for your time and I look forward to meeting with you to discuss this proposal in further detail. If you have any questions, my contact information is listed below.

Sincerely,

C. Earl Woolfork
(818) 625-4966 Cell Phone
(626) 792-9822 Home Phone
cwoolfork@sbcglobal.net

Fuzzy Audio Wireless Music (FAWM)

(Patent Pending)

By

C. Earl Woolfork, Electrical Engineer

Phone: (818) 625-4966 or (626) 792-9822

e-mail: cwoolfork@sbcglobal.net

DESCRIPTION

- WIRELESS HEADSET USED WITH THE FOLLOWING DEVICES
(SEE FIGURE 1):

- Portable MP3
- Portable CD/Cassette Player
- AM/FM Radio
- Desktop/Laptop Computer

FEATURES

- THE FAWM UTILIZES BLUETOOTH TECHNOLOGY
 - A battery powered digital transmitter plugs into any standard
headphone jack and transmits **only** to the assigned battery powered
digital headphone receiver.

8/12/04

- Multiple FAWM users can operate within the same spatial area without interfering with each other.

MARKET ANALYSIS

- **CURRENT WIRELESS AUDIO DEVICES:**

- Do not support multiple users
- Require A/C power
- Do not operate with portable devices

SUMMARY

The FAWM device eliminates the inconvenience of wires, while connecting your portable audio device without degrading sound quality.

Wireless Digital Audio

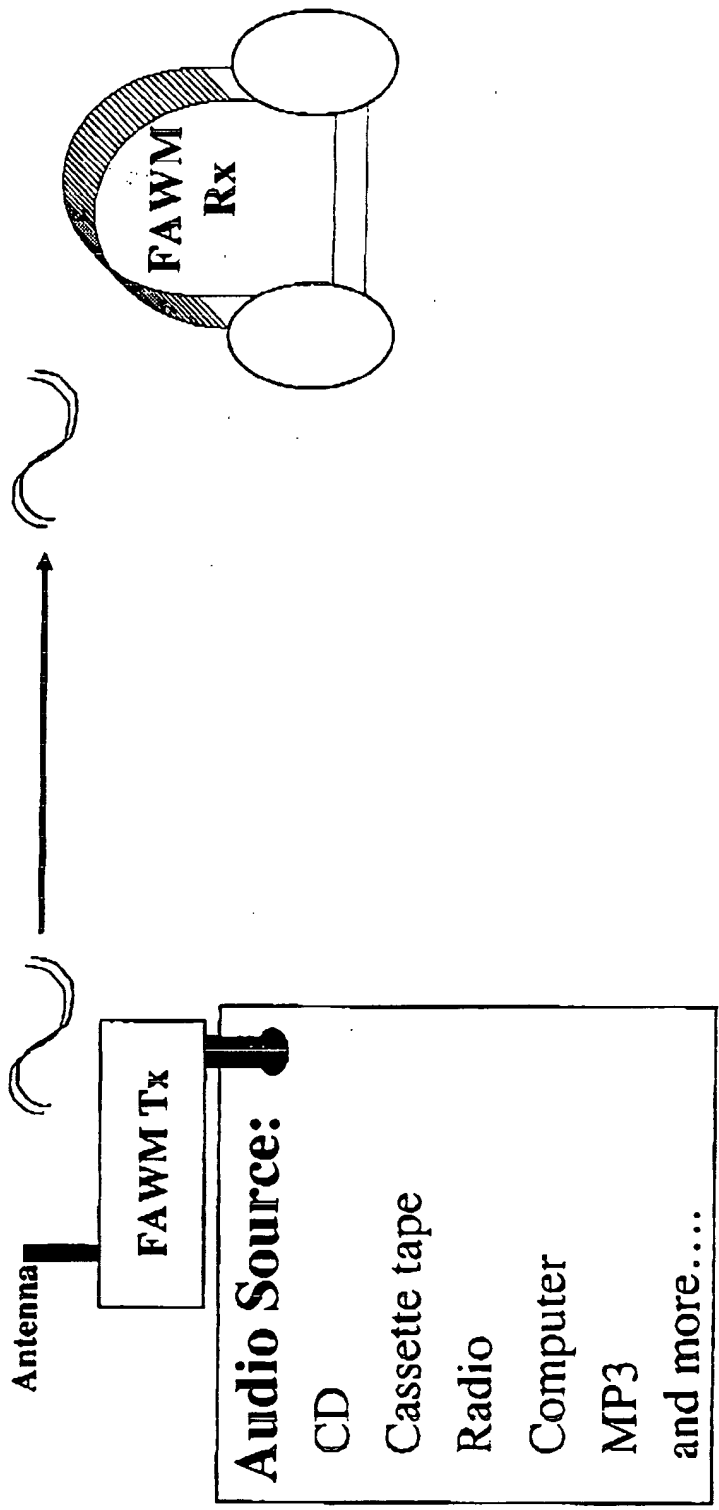


Figure 1

8/12/04

JOB STATUS REPORT

TIME : 08/12/2004 06:38
NAME :
FAX# :
TEL# :

DATE TIME
FAX NO./NAME
DURATION
PAGE(S)
RESULT
MODE

08/12 06:37
916172529685
00:00:57
05
OK
STANDARD
ECM

TO: ANDREW RAMER

NAME:
COMPANY MOTOROLA

DATE: 8/12/04

TELEPHONE: (617) 252-9668 **FAX:** (617) 252-9685

OF PAGES
(INCLUDING COVER)

5

FROM: C. EARL WOOLFORK

NAME:
BLOG / MS: EARL WOOLFORK **ORG.**

TELEPHONE: (818) 625-4966 **FAX:** (310) 334-4717

MESSAGE:

8/12/04

Motorola Corporation
Cambridge, MA
(617) 252-9668 Office

Dear Mr Andrew Ramer,

Thank you for reviewing the enclosed FAWN (Fuzzy Audio Wireless Music) headset proposal.

The FAWN is a convenient, hands-free headset with crisp and pristine sound with no peripheral interference. The headset can be used with but not limited to computers, portable CD/cassette players, portable MP3's and AM/FM radios.

Thank you for your time and I look forward to meeting with you to discuss this proposal in further detail. If you have any questions, my contact information is listed below.

Sincerely,

C. Earl Woolfork
(818) 625-4966 Cell Phone
(626) 792-9822 Home Phone
cwoolfork@sbcglobal.net

JOB STATUS REPORT

TIME : 08/16/2004 11:17
NAME :
FAX# :
TEL# :

DATE, TIME
FAX NO./NAME
DURATION
PAGE(S)
RESULT
MODE

08/16 11:16
918475763750
00:00:32
02
OK
STANDARD
ECM

TO: WENDY HARRIS

NAME: Motorola Inc. DATE: 8/16/04

FAX: (847) 576-3750

2

FROM: C. Earl Woolfork

NAME: Earl Wootfork
BLOG / MS: ORG.

TELEPHONE: (818) 625-4966 FAX: (818) 334-4717

MESSAGE: Per my conversation with Cathy McMillan



MOTOROLA

August 11, 2004

Earl Woolfork
500 Santa Paula Ave.
Pasadena, CA 91107

Re: Submission Idea

Dear Mr. Woolfork:

In response to your recent inquiry, enclosed please find two copies of Motorola's policy and agreement regarding submission of ideas by persons outside the company. Given the frequency with which we receive ideas from people, who are not our employees, we have established this policy to protect both the submitter of the idea and Motorola.

It is Motorola's policy to require each inventor to sign this agreement before we will evaluate ideas from outside the corporation. If you have already sent us information on your idea, please be assured that we do not review any such materials until we have received the signed agreement.

Please sign and return one copy of the agreement along with any information, including patent number if applicable, that you feel would assist us in determining whether we are interested in pursuing this matter with you. Be sure to retain a copy of any information you submit and a copy of the agreement as we will be unable to return these materials to you.

Thank you for considering Motorola for your submission.

Sincerely,

Motorola, Inc.
External Relations
Intellectual Property Section
Law Department

Corporate Offices
1303 East Algonquin Road, Schaumburg, IL 60196
(847) 576-5184

2004-0470



MOTOROLA

Search

[Home](#) | [About Motorola](#) | [Products and Services](#) | [Shop](#)

Overview

[News Releases](#)[Media Contacts](#)[Executive Bios](#)[Media Info](#)[Graphix](#)[Personal Communications](#)[Exploring Technology](#)[Multimedia News Releases](#)[Investors](#)[Industry Analysts](#)[Calendar](#)[Motorola® in 2005](#)[Printer Friendly Version](#)

Motorola Advances the Mobile Music Experience through Bluetooth

New suite of Bluetooth wireless-enabled products merges wire-free mobility with musical entertainment

LAS VEGAS, NV. – 8 January 2004 – Motorola Inc. (NYSE: MOT) forges new ground in mobile music with the announcement of the Motorola Bluetooth® Stereo Headset HT820, Motorola Bluetooth® Stereo Transceiver DC800 and Motorola Bluetooth® USB PC Adapter PC850. Designed for freedom, ease of use and seamless access to favorite songs, this trio creates a premium hi-fi wireless mobile music system.

As the first headset of its kind on the market, the Motorola HT820 wirelessly connects to a Bluetooth wireless-enabled phone and a separate music source simultaneously – promising that users can enjoy favorite songs without missing a call. Music automatically pauses when a call comes in and when the call ends, the music resumes play. The intuitive headset features controls for both the music source and mobile phone – making it easy to play, pause or stop a favorite song, as well as receive, answer or end calls wirelessly.

"Motorola continues to lead the industry with its development of innovative Bluetooth wireless-enabled handsets and accessories," said Bruce Hawver, vice president and general manager, Companion Products Group, Motorola, Personal Device Business. "Whether looking for an in-vehicle solution, headset, a wire-free music experience, consumers can rely on Motorola's Bluetooth portfolio for style, simplicity and advanced functionality."

Motorola's new trio of music-focused Bluetooth products eliminates the clutter of cables and provides Bluetooth connections for up to 10m (30 feet) – delivering flexible, high-quality, hands-free communication and entertainment.

About the Products

The lightweight, ergonomic Motorola HT820 provides premium communication and music connectivity with minimized background noise and reliable battery power. Complete with a 3.5mm headset jack and accessory cable, the headset is compatible with non-Bluetooth devices for universal music enjoyment.

With the ability to turn most stereos into a wireless music system, the portable Motorola DC800 streams content to the Motorola HT820 from the stereo and Bluetooth wireless-enabled mobile phones, PCs or other devices. For group listening, music can be played through the stereo speakers.

The Motorola PC850 empowers traditional laptops and PCs with Bluetooth technology, establishing cordless connections to compatible mobile phones, headsets and PDAs. Whether used to share and stream music files, data or images, the PC adapter provides a new level of mobile convenience.

Pricing and Availability

The Motorola Bluetooth Stereo Headset HT820, Motorola Bluetooth Stereo Transceiver DC800 and Motorola Bluetooth USB PC Adapter PC850 are expected to be available in the first half of 2005. For more information regarding product availability in your region, please check with your local Motorola representative.

About Motorola

Motorola is a Fortune 100 global communications leader that provides seamless mobility products and solutions across broadband, embedded systems and wireless networks. In your home, auto, workplace, and all spaces in between, seamless

mobility means you can reach the people, things and information you need, on the go. Seamless mobility harnesses the power of technology convergence and enables smarter, faster, cost-effective and flexible communication. Motorola had sales of US \$27.1 billion in 2003. For more information: www.motorola.com.

Digital imagery of Motorola Personal Device products mentioned in this release can be seen at: www.Motorola.com/mptinfo

#

Media Contact:

Monica Rohleder

+1-847-523-5377

monica.rohleder@motorola.com

MOTOROLA and the Stylized M Logo are registered in the US Patent & Trademark Office. All other product or service names are the property of their respective owners. The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc., and any use of such marks by Motorola, Inc. is under license. Other trademarks and trade names are those of their respective owners.

© Motorola, Inc. 2004.

www.motorola.com
Motorola

| [Terms of Use](#)

| [Privacy Practices](#)

| [Contact](#)

| © Copyright 1994-2005 Motorola, Inc. All rights reserved.

Autoblog Most Popular: [Ford Mustang](#) (73 posts), [Chrysler 300C](#) (45), [Corvette C6](#) (39), [Mini Cooper](#) (37), [Toyota Prius](#) (37).

Calculate Your Savings LEARN MORE	<input type="text"/> CALCULATE SAVINGS	Enter your monthly phone bill and click the calculate button to find out.	See what you can save by switching your home phone service to VONAGE	VONAGE CHECK IT OUT
---	--	---	---	-------------------------------

engadget

MY YAHOO! new

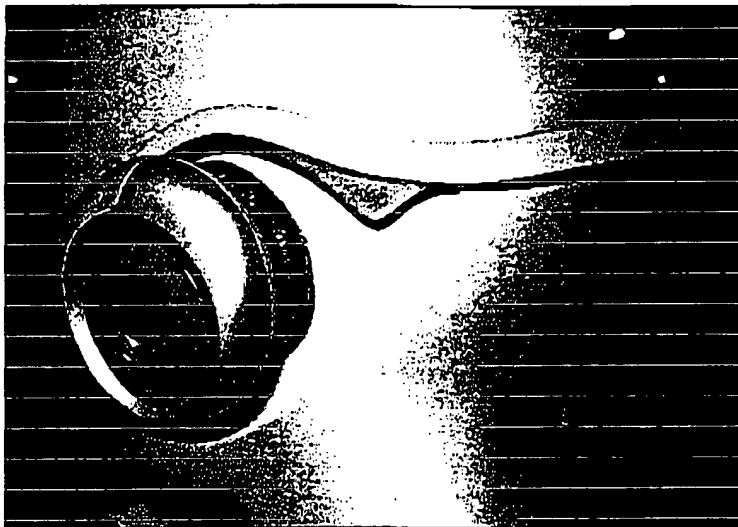
Have great gadget

Advertiser

Motorola @ CES - The HT820 Bluetooth stereo headset explained

Posted Jan 8, 2005, 1:45 PM ET by Eric Lin

Related entries: [Cellphones](#), [CES](#), [Portable Audio](#), [Wireless](#)



Yesterday we thought the [Moto Bluetooth stereo headset](#) was interesting but we hadn't seen it and couldn't quite explain it. Today we have all the answers. (Ok, maybe not *all* the answers.) Here's how it really works. The HT820 supports both headset and hands-free to connect to a phone via Bluetooth. It also supports two new Bluetooth profiles for audio, one for receiving stereo broadcast and the other for controlling audio devices. If you have an audio device that supports the profiles, or you have an adapter—either one of Motorola's that we mentioned or even the [naviPlay](#)—the



SEARCH FOR TRIPS

Choo

LUXURY LINE
Advertisement

Choo

SPC

The

H
2000

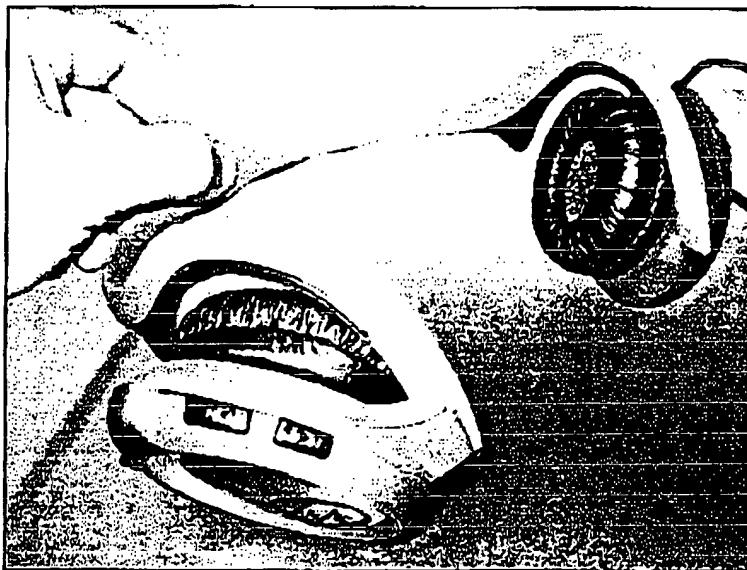
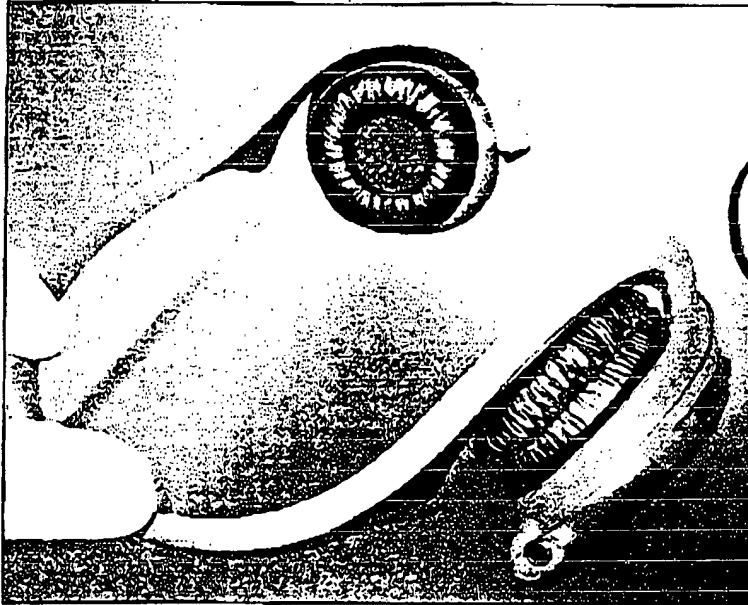
W

Play
all c
Sor
specia

A
w

Make

headset will be able to pause your music when you take an incoming call, and you can even skip tracks using buttons right on the headset. If, however you don't have a Bluetooth audio device or adapter, you can plug a player into the 'phones using a cable, in which case, the HT820 will mute the audio when you get a phone call, but won't be able to pause it. There's a few more pix below.



[Ads by Goooooogle](#)

high-s

Ji

[http](#)

SmartPhoneDepot
Bluetooth
Accessories 20-
70% Off Headsets,
Handsfree Car Kits
SmartPhoneDepot.Com

Getty

Bluetooth headset

Wireless
convenience, up to
7 hours talk time.
Compare prices
here!
[www.logitech.com](#)

If

adv

Bluetake **BT420EX**

Bluetooth Stereo
Hi-Fi Headphones
MP3/PDA/Phone/PC
- Free Shipping
[www.btboutique.com](#)

MOS

Tel

disas

2GB

Bluetooth headset **factory**

Stereo audio
headset, auto-
switch on When
receive call or
enjoy music.
[www.ansso.com](#)

The /

HOV

DN

PlayS

Unpa

The

SECTIONS

Engadget Home

Announcements

Ask Engadget

Cellphones

Desktops

Digital Cameras

Displays

Engadget

Features

Gaming

GPS

Handhelds

HDTV

Home Entertainment

Por

Pa

Sidel

Ask E

are yo

1

1

Crea

iPod s

Pres

[Permalink](#) | [Email this](#) | [Comments](#) | 15 |

<http://www.engadget.com/entry/1234000660026555/>

2/25/2005

Recent Entries

- » [Sony planning new PlayStation Portable with a 50GB hard drive?](#) (2/25/2005)
- » [The DIY Mac mini dock](#) (2/25/2005)
- » [Hasbro Tooth Tunes toothbrush makes you a loud mouth](#) (2/25/2005)
- » [Dell's new Inspiron 9300, their first Media Center Edition laptop](#) (2/25/2005)
- » [Sonos Digital Music System reviewed](#) (2/25/2005)

Ads by Goooooogle

Bluetooth Stereo Headset

Find Wireless News, Product Info The Latest on Bluetooth Here
wireless.eweek.com

Bluetooth Headset

Bluetrek G2 headset for any cell phone. Only \$44.99 Free S&H
www.hakimov.com

Bluetooth headsets

Bluetooth headsets and accessories for cell phones - free shipping
www.bchandsfree.com

Handheld Computers

Find, Compare and Buy PDAs! Shop and Save from 1000's of Stores
www.Shopping.com

(Add your comments)

Reader Comments

1. Posted Jan 8, 2005, 2:04 PM ET by Travis

Throwing in noise cancellation would put this product the stratosphere ... an in-car version of this combo and we'd be out in space. Good stuff!

2. Posted Jan 8, 2005, 2:12 PM ET by trec007

Man, it's about time something like this was produced. This and the iPhone could be a killer combination. I wonder what the audio quality is like though?

3. Posted Jan 8, 2005, 2:19 PM ET by Joey Geraci

and battery life. I don't see room for that big of a battery

4. Posted Jan 8, 2005, 2:33 PM ET by Adam

I want Caller ID via laser display to my lenses, HUD-style. Geez, get it right the first time and make a fortune.

[Household](#)
[Interviews](#)
[Laptops](#)
[Media PCs](#)
[Misc. Gadgets](#)
[Peripherals](#)
[Podcasts](#)
[Portable Audio](#)
[Portable Video](#)
[Robots](#)
[Tablet PCs](#)
[Transportation](#)
[Wearables](#)
[Wireless](#)

[The 2](#)
[HOV](#)
[min](#)
[Jobs s](#)
[are h](#)

[W](#)

RESOURCES

[About Engadget](#)
[Contact Us](#)
[Advertise](#)
[Corrections?](#)
[Problems?](#)

ENGADGET EMAIL

Privacy: Your email address will be used for Engadget news only. *We hate spam too.*

RSS NEWSFEED



LINK TO ENGADGET



5. Posted Jan 8, 2005, 2:34 PM ET by Chris Heinonen

I want to know if there's a way I can get this to work for me at the office. Given how often I have to pause music and remove headphones when someone calls, if I could setup my desktop to support this, and somehow work with my phone, it would be ideal.

6. Posted Jan 8, 2005, 2:37 PM ET by Jaron Senna

Awesome if it will really work, battery life is my main concern...

And, now all we need is a bluetooth module for the ipod I guess, although then we have a battery issue with the iPod if we haven't already...

7. Posted Jan 8, 2005, 2:53 PM ET by Scotto

Hmmm, no obvious microphone or boom attachment, how does it grab your voice when talking on the phone?

8. Posted Jan 8, 2005, 3:11 PM ET by Richard

Okay, so this supports both the Headset and Hands-Free profiles. Where's the mic at (so we can actually use this as a headset)? Also, what are the "new" audio profiles that it supports? I'm assuming Advanced Audio Distribution (A2DP) and Audio/Video Remote Control (AVRCP), but some confirmation and even more "deets" would be much appreciated. I'm excited to finally see a Bluetooth/wired stereo headset; this just may be close enough to that perfect device I was alluding to (<http://www.engadget.com/entry/5563682036957882/#c57818>)!

9. Posted Jan 8, 2005, 7:05 PM ET by Thomas

<http://www.bluetake.com/products/BT420EX.htm>

here is what you are looking for, has flip out mic there are no controls to skip tracks etc.. but that would have to be made for a specific player I would think.

these are available now.

10. Posted Jan 8, 2005, 8:48 PM ET by Richard

I've known about that since Engadget posted on it. It's the closest thing currently available to what I want, but that's a Bluetooth only headset. Unlike this Motorola one, when the battery dies you are out of luck.

11. Posted Jan 8, 2005, 11:21 PM ET by jon

ARCHIVES

[Feb 2005](#)

[Jan 2005](#)

[Dec 2004](#)

[Nov 2004](#)

[Oct 2004](#)

[Sep 2004](#)

[Aug 2004](#)

[Jul 2004](#)

[Jun 2004](#)

[May 2004](#)

[Apr 2004](#)

[Mar 2004](#)

[Ads by Goooooogle](#)

Bluespoon AX -

Buy Now

Smallest headset in the world - AX For Bluetooth available! Buy Here www.bluespoons.com

Jabra FreeSpeak Bluetooth

Free Shipping on all models of Jabra Bluetooth FreeSpeak headsets www.hitechwireless.com

Batteries & More

Get \$500 for batteries absolutely free. www.consumerincentives.com

Jabra FreeSpeak Headset

For All Bluetooth Phones On Sale For Only \$69.98 mobilecityonline.com

will there be an adapter so i can use it was a regular 3.5mm audio player? (i desprecately want these for my gmini 400, v600. and ibm t42!!)

12. Posted Jan 10, 2005, 1:15 AM ET by Mike

As a Stereo Bluetooth Headset the SONORIX OBH-0100 is already on the market and does all of the above. With a totally wire free set of 'Sports' Bluetooth Stereo headphones it also boasts an 'on board' MP3 player too. It comes supplied with a USB Bluetooth dongle and Bluetooth Software Suite to enable the streaming of Stereo Audio from your PC too. It is also equipped with a mic and can be used as a mobile hands free kit pausing the music track you are listening to to take calls and fading it back in when you end your call.

Check out www.bluesharksystems.com for more details

13. Posted Jan 10, 2005, 2:29 AM ET by Mike

Mike.

Good point but the darn thing goes for \$239 US (In Canada that's like \$1000 dollars, eh?)

14. Posted Jan 10, 2005, 9:07 PM ET by Mike

I guess that does sound a bit steep, but I'm looking at these things from a regional perspective.

I live in the UK and if you break the Sonorix set down into its various components I think you are getting quite a bit of 'bang per buck'

eg.

The Sonorix OBH-0100 comprises of the following [(Wireless Studio Quality Stereo Audio Headset Sennheiser RS120 RRP £70) - (Top End (Mono) Bluetooth Hands free Headset Jabra RRP £59) - (128M/Bit Totally Wireless MP3 Player - Not even commercially available Disc-O Music Player nearest RRP £60) - (128M/Bit Compact Flash Ram File storage device RRP £25) - (Full Bluetooth Software Suite with USB Dongle - Belkin 10M RRP £25)---(Total RRP £239 GBP)]

That would equate to about \$448 USD at current rates. I know the cost of living is expensive in London but I guess these things are relative.

15. Posted Jan 11, 2005, 4:09 AM ET by Mike

I guess that does sound a bit steep, but I'm looking at these things from a regional perspective.

I live in the UK and if you break the Sonorix set down into its various components I think you are getting quite a bit of 'bang per buck'

eg.

The Sonorix OBH-0100 comprises of the following [(Wireless Studio Quality Stereo Audio Headset Sennheiser RS120 RRP £70) - (Top End (Mono) Bluetooth Hands free Headset Jabra RRP £59) - (128M/Bit Totally Wireless MP3 Player - Not even commercially available Disc-O Music Player nearest RRP £60) - (128M/Bit Compact Flash Ram File storage device RRP £25) - (Full Bluetooth Software Suite with USB Dongle - Belkin 10M RRP £25)----(Total RRP £239 GBP)]

That would equate to about \$448 USD at current rates. I know the cost of living is expensive in London but I guess these things are relative.

Add your comments

Please keep your comments relevant to this blog entry: inappropriate or purely promotional comments may be removed. Email addresses are never displayed, but they are required to confirm your comments. To create a live link, simply type the URL (including http://) or email address and we will make it a live link for you. You can put up to 3 URLs in your comments. Line breaks and paragraphs are automatically converted — no need to use <p> or
 tags.

Your name (required):

Your email address (required, will not be shown to the public):

Your site's URL (optional):

http://

Do you want us to remember your personal information for next time?





☒ Yes ☐ No

Add your comments:

Preview your comments

Add your comments

All contents copyright © 2005, Engadget, LLC. All rights reserved.
Engadget is a member of the Weblogs, Inc. Network. Privacy Policy

 <p>Calculate Your Savings</p> <p>LEARN MORE</p>	 <p>Enter your monthly phone bill and click the calculate button to find out.</p>	 <p>Show what you can save by switching your home phone service to VONAGE</p>	 <p>VONAGE THE BUSINESS PHONE</p> <p>CHECK IT OUT</p>
--	--	--	---

Engadget is part of the Weblogs, Inc. Network — a network of more than 70 blogs.
Here are some recent headlines from our other blogs:

Autoblog

[Shoe is on the other foot - Automakers to invade Korea](#)
[Dan Gillmor gets a Prius](#)
[Opel dumps 4,500 jobs, halfway done](#)
[A very different take on the Grand Cherokee](#)
[About that BMW 1-Series sedan](#)

Joystiq (video games)

[Nintendo DS Download Service - Feb 26](#)
[Is this the face of Xbox 2?](#)
[Empire Earth 2 website comes to life](#)
[Missing GT4 online? Try this](#)
[Troika closes](#)

Peer-to-Peer

[Ex-Loki Users Have Little to Fear](#)
[A DNS system for file on P2P networks](#)
[Earthstation 5 signs off the P2P airwaves](#)
[UK downloaders avid for US TV content](#)
[The "improved" iMesh update may soon be released](#)

Flash Insider

[Killer Sirius Player for Eminem](#)
[Shockwave Flash](#)
[This is Macy's?](#)
[Skate It!](#)
[Computer specs](#)

Luxist (fine living)

[More Uses for Burj Al Arab's Helipad](#)
[Luxury Magazines On The Rise](#)
[Visiting the Solid Gold Toilet](#)
[The Osbourne Family Gets Ripped Off Again](#)
[Dransfield & Ross Birds of Paradise Tablecloth](#)

Blogging Baby

[Are you my mother?](#)
[More contraction action](#)
[Chill, pops... it's only a blunt](#)
[It's Parent Appreciation Day!](#)
[Cartoon characters pushing fatty foods on kids](#)

Wireless

[10,000 And Climbing](#)
[SOCALWUG Meeting Tonight - Panel: Wireless in Business](#)
[Sprint Intros International Wireless Device](#)
[Were Pulse-Link's Actions Justified?](#)
[Nippling On The BlackBerry](#)

TUAW (Apple)

[Working prototype: Mac mini car dock](#)
[Google Maps now works in Safari](#)
[No photos of photo connector for iPod](#)
[Deny Apple considering TiVo buyout](#)
[Griffin's Dock to FireWire 400](#)

hack a day

[homebrew mac mini dc](#)
[hackaday links](#)
[hacking a car boot](#)
[howto: getting started w programming](#)
[hackaday links](#)

Gadling (travel)

[Cooking in Florence](#)
[More on Noise-Cancel](#)
[Photo of the Day: \(2/25](#)
[Festival Finding](#)
[Solo Traveling Not So](#)

Indie Film

[Can't Simone Simon G](#)
[Oscar Predictions: Best](#)
[Oscar's First Year at Fi](#)
[The Day in Miramax: /](#)
[Will Carry On](#)
[UK Oddsmakers Close](#)

Engadget

[Sony planning new Pla](#)
[50GB hard drive?](#)
[The DIY Mac mini doc](#)
[Hasbro Tooth Tunes to](#)
[mouth](#)
[Dell's new Inspiron 23i](#)
[Edition laptop](#)
[Sonos Digital Music S5](#)

If you want to advertise on the largest blog network in the world,
[email Shawn Gold](#) or call him at 310-828-8284.

News

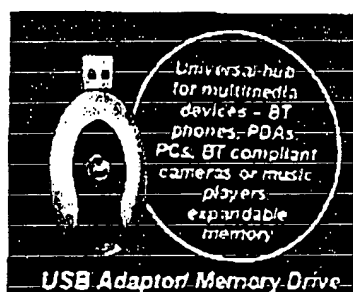
Motorola bares its Bluetooth grin and points to the PMG

by Guy Kewney | posted on 18 October 2004

We had hints, before, that Motorola was following the IXI path, and designing a personal mobile gateway wireless hub - with phones, text pads, cameras and other toys all being Bluetooth peripherals. Now, the veil is lifting ... a family of new Bluetooth peripherals. And plans ... including stereo audio devices.

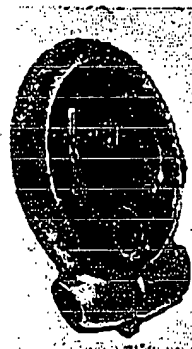


Today, the company said it couldn't confirm, but wouldn't deny, that it was working with Bluetooth pioneers IXI Mobile - then admitted that it would work with partners, and "wouldn't re-invent wheels."



Music storage with both Bluetooth and USB

New toys: at a conference in London, product manager Fred Zimbric predicted that the phone itself would become



Bluetooth speaker for car hands-free

"just a little green circuit card." He said: "A phone will be embedded in cars, computers, other devices. The Bluetooth accessory will be the thing you use. You will wonder which is

the accessory, and which is the phone."

The star of the show was the "necklace" bluetooth device. There were also three ordinary wireless headpieces, and a "remote speaker" which allows the motorcar user to fit their own hands-free kit - all Bluetooth. "The HS830 Necklace Headset will have a multifunction button, 5 hours talk time, six days standby. This is the bluetooth module; you can attach it to the motorcycle helmet headset in the HS 830 Helmet," said Zimbric, showing off the noise cancelling, rubber sealed cover, which makes the helmet unit weather proof.

Concept devices were shown. The necklace is a product which will definitely be launched, and will allow devices to be swapped out. But move away from phones, and devices being tested include texting keyboards "thin as a credit card, wearable like an ID badge" and music storage units, which could be used as a temporary "staging area" for high-res pictures taken by a future Bluetooth camera. Which might, or might not, be a phone itself.

"These are concept devices, not products," Zimbric said. "But if we did launch them, they would appear next year."

He also showed future Bluetooth toys; things which will allow us to take the sound output from iPods, TV sockets, or CD players or PCs, and literally broadcast them over Bluetooth throughout the home, in high quality stereo. Not, perhaps, true hi-fi - but then, the output of an iPod isn't true hi-fi, either.

Two devices in particular will appear soon. The DC800 Stereo Gateway; and HT 820 Bluetooth stereo headset "which we're coming out with next year, will be costed at a level well below WiFi stereo products, which we think are expensive. And we'll upgrade them as soon as the Bluetooth SIG (special interest group)

ratifies the Enhanced Data Rate (EDR) spec, which is three times faster than the 700 kilobit/sec payload you get today," said Fred Zimbric.

The uncanny resemblance between Motorola plans and IXI Mobile designs has been noted before. Was this the moment to ask whether the two companies were talking? Is this necklace the first step towards a Motorola PMG? or coincidence?



Henrik Asbjorn

Zimbric said he "couldn't say."

Asked if he could deny it, he just grinned. Henrik Asbjorn, general manager of

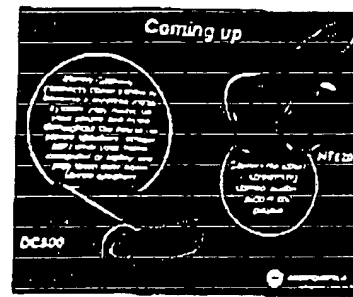
Motorola EMEA consumer business said: "Our relationship with Apple over iTunes shows that if there is something out there, then, if the question is 'are we going to reinvent everything?' then the answer is 'absolutely not.' The Apple Motorola deal made sense; will see where we can be partnering up with other companies, where it makes sense."

No comment from IXI Mobile, either.

Nice toys, Motorola. Which of them will be the PMG? - You can discuss this article on our [discussion board](#).

Point your IRC client at hunkymouse.co.uk, join channel #kewney, and flame us direct!

Other comments? Feedback? Call me on +44 20 8809 0492 in the UK



Future stereo Bluetooth products, for first quarter 05

Press Release: Motorola Advances the Mobile Music Experience through Bluetooth



- [Home](#)
- [Search](#)
- [Forums](#)
- [Links](#)
- [Archives](#)
 - [Bluetooth](#)
 - [Columns](#)
 - [Galleries](#)
 - [News](#)
 - [Previews](#)
 - [Press Releases](#)
 - [Reviews](#)
 - [Rumors](#)
- [About](#)
- [PDA Version](#)
- [RSS](#)

Search:

search

Phone Browser

- [Sony Ericsson](#)
- [Siemens](#)
- [Samsung](#)
- [Nokia](#)
- [Motorola](#)
- [LG](#)
- [All Brands](#)

POLL: *Do you own a regular digital camera?*

- ☐ Yes
☐ No

○ I plan to soon

Vote!

- **NEWS**
RSS and Image Viewer for Java Phones

- **NEWS**
Java MobileATM's Launch in UK



- **NEWS**
GSL Xplore M68



- **GALLERY**
Siemens SF65



- **NEWS**
Samsung Anna Sui SGH-E315



- **NEWS**
Sanyo MM-5600



- **GALLERY**
Fujitsu F90liC



- **SNAPSHOT**
Motorola A101Q



- **NEWS**
Tegic Announces Plans Beyond T9



- **GALLERY**
Motorola SLVR V8



- **COLUMN**
A Chat With PalmSource

-  **NEWS**
Sendo X2
-  **NEWS**
Panasonic X800

[More in the Archives »](#)

Motorola Advances the Mobile Music Experience through Bluetooth

Press Release posted by [Michael Oryl \(editor\)](#) on Thursday January 06, 2005.

Note: Sponsored advertising links, if any, are in green.

New suite of Bluetooth wireless-enabled products merges wire-free mobility with musical entertainment

LAS VEGAS, Jan. 6 /PRNewswire-FirstCall/ -- Motorola Inc. (NYSE:MOT) forges new ground in mobile music with the announcement of the Motorola Bluetooth(R) Stereo Headset HT820, Motorola Bluetooth(R) Stereo Transceiver DC800 and Motorola Bluetooth(R) USB PC Adapter PC850. Designed for freedom, ease of use and seamless access to favorite songs, this trio creates a premium hi-fi wireless mobile music system.

As the first headset of its kind on the market, the Motorola HT820 wirelessly connects to a Bluetooth wireless-enabled phone and a separate music source simultaneously -- promising that users can enjoy favorite songs without missing a call. Music automatically pauses when a call comes in and when the call ends, the music resumes play. The intuitive headset features controls for both the music source and mobile phone -- making it easy to play, pause or stop a favorite song, as well as receive, answer or end calls wirelessly.

"Motorola continues to lead the industry with its development of innovative Bluetooth wireless-enabled handsets and accessories," said Bruce Hawver, vice president and general manager, Companion Products Group, Motorola, Personal Device Business. "Whether looking for an in-vehicle solution, headset, a wire-free music experience, consumers can rely on Motorola's Bluetooth portfolio for style, simplicity and advanced functionality."

Motorola's new trio of music-focused Bluetooth products eliminates the clutter of cables and provides Bluetooth connections for up to 10m (30 feet) -- delivering flexible, high-quality, hands-free communication and entertainment.



The Broadband Phone Company

\$24.99 month

UNLIMITED CALLS
to all 50 states and Canada,
anytime.

»

About the Products

The lightweight, ergonomic Motorola HT820 provides premium communication and music connectivity with minimized background noise and reliable battery power. Complete with a 3.5mm headset jack and accessory cable, the headset is compatible with non-Bluetooth devices for universal music enjoyment.

With the ability to turn most stereos into a wireless music system, the portable Motorola DC800 streams content to the Motorola HT820 from the stereo and Bluetooth wireless-enabled mobile phones, PCs or other devices. For group listening, music can be played through the stereo speakers.

The Motorola PC850 empowers traditional laptops and PCs with Bluetooth technology, establishing cordless connections to compatible mobile phones, headsets and PDAs. Whether used to share and stream music files, data or images, the PC adapter provides a new level of mobile convenience.

Pricing and Availability

The Motorola Bluetooth Stereo Headset HT820, Motorola Bluetooth Stereo Transceiver DC800 and Motorola Bluetooth USB PC Adapter PC850 are expected to be available in the first half of 2005. For more information regarding product availability in your region, please check with your local Motorola representative.

About Motorola

Motorola is a Fortune 100 global communications leader that provides seamless mobility products and solutions across broadband, embedded systems and wireless networks. In your home, auto, workplace, and all spaces in between, seamless mobility means you can reach the people, things and information you need, on the go. Seamless mobility harnesses the power of technology convergence and enables smarter, faster, cost-effective and flexible communication. Motorola had sales of US \$27.1 billion in 2003. For more information: <http://www.motorola.com/>.

The Grandband
Phone Company

Add a second
phone line
for just
\$14.99/mo.

Friends/Affiliates:

[BargainOffers.com](#)

[MobyMemory.com](#)

[Mobile9.com](#)

[Zedge.net](#)

[DigitalCameraInfo](#)

[Club SonyEricsson](#)

[PriceGrabber.Com](#)

BLUETOOTH WIRELESS TECHNOLOGY



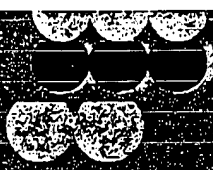
Product	Manufacturer	Model	Price	Availability
Bluetooth Headset	Logitech	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Plantronics	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Sennheiser	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Sony	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Philips	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Beats	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Audio Technica	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Shure	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	AKG	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Harman	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Alcatel	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Motorola	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Nokia	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Samsung	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	LG	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	HTC	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	ASUS	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	HP	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Dell	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Acer	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Lenovo	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Microsoft	Bluetooth Headset	\$199.99	Available
Bluetooth Headset	Apple	Bluetooth Headset	\$199.99	Available

out in the world

BLUETOOTH® WIRELESS TECHNOLOGY



Product	Manufacturer	Model	Bluetooth Version	Frequency	Power Class	Range	Features
Bluetooth Headset	Logitech	Bluetooth Headset	1.2	2.4 GHz	Class 1	100m	Hands-free, microphone
Bluetooth Car Kit	Motorola	Bluetooth Car Kit	1.2	2.4 GHz	Class 1	100m	Hands-free, microphone
Bluetooth Mouse	Logitech	Bluetooth Mouse	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Keyboard	Logitech	Bluetooth Keyboard	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Speaker	Logitech	Bluetooth Speaker	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Modem	Logitech	Bluetooth Modem	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Dongle	Logitech	Bluetooth Dongle	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Adapter	Logitech	Bluetooth Adapter	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Transceiver	Logitech	Bluetooth Transceiver	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Receiver	Logitech	Bluetooth Receiver	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Transmitter	Logitech	Bluetooth Transmitter	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Antenna	Logitech	Bluetooth Antenna	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Cable	Logitech	Bluetooth Cable	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Charger	Logitech	Bluetooth Charger	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Battery	Logitech	Bluetooth Battery	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Case	Logitech	Bluetooth Case	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Cover	Logitech	Bluetooth Cover	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Stand	Logitech	Bluetooth Stand	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Dock	Logitech	Bluetooth Dock	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Charger	Logitech	Bluetooth Charger	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Battery	Logitech	Bluetooth Battery	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Case	Logitech	Bluetooth Case	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Cover	Logitech	Bluetooth Cover	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Stand	Logitech	Bluetooth Stand	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable
Bluetooth Dock	Logitech	Bluetooth Dock	1.2	2.4 GHz	Class 1	100m	Wireless, rechargeable



out in the WORLD

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

☐ BLACK BORDERS

☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES

☒ FADED TEXT OR DRAWING

☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING

☐ SKEWED/SLANTED IMAGES

☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS

☐ GRAY SCALE DOCUMENTS

☐ LINES OR MARKS ON ORIGINAL DOCUMENT

☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.